

DECLARATION AND POWER OF ATTORNEY
FOR UTILITY OR DESIGN PATENT APPLICATION
(37 CFR 1.63)

As a below inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am an original, first and sole inventor (if a single name listed below) or an original, first and joint inventor (if plural names listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FRACTURING OF SUBTERRANEAN FORMATIONS

the specification of which

☐ is attached hereto
☒ was filed on March 31, 2006 as United States Application Number
10/574,359) and was amended on (if
applicable).

I hereby authorize and request my attorney to insert the application number and filing date, when known, into this declaration executed by me for this invention.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application(s) for patent or inventor's certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Claimed ?	Certified Copy Attached?
GB 0323065.3	Great Britain	October 2, 2003	Yes	No

I hereby claim the benefit under 35 U.S.C. 119(e) of United States provisional application(s) listed below.

Application Number(s)	Day/Month/Year Filed	Additional Provisional Application Numbers Listed on Supplemental Priority Data Sheet Attached

I hereby claim the benefit under Title 35, United States, § 120 of any United States application(s) or any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information which is material to patentability as defined in Title 37, of Federal Regulations Code, § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Parent Application or PCT Parent Number	Parent Filing Date Day/Month/Year Filed	Parent Patent Number (if applicable)
PCT/GB2004/004049	23 September 2004	

POWER OF ATTORNEY: As a named inventor, I hereby appoint the Attorneys associated with Customer No. 027885, to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

DIRECT TELEPHONE CALLS TO: DIRECT ALL CORRESPONDENCE TO:

Scott A. McCollister
Telephone: 216-861-5582
Facsimile: 216-241-1666
Email: smccollister@faysharpe.com

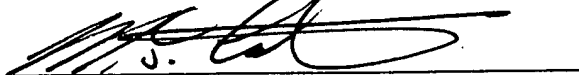
Scott A. McCollister
Fay, Sharpe, Fagan, Minnich & McKee, LLP
1100 Superior Avenue, 7th Floor
Cleveland, OH 44114-2579

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole (or First Joint) Inventor:

Michael John Crabtree

Inventor's Signature:



Date:

04/05/06

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PATENTS ONLY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S) : Crabtree et al.

FOR : FRACTURING OF SUBTERRANEAN FORMATIONS

SERIAL NO. : 10/574,359

FILED : March 31, 2006

EXAMINER : Unknown

ART UNIT : Unknown

CONFIRMATION NO. : 5854

ATTORNEY DOCKET NO. : APLE 2 00009

ASSIGNMENT RECORDATION FORM COVER SHEET

U.S. Patent and Trademark Office
MAIL STOP ASSIGNMENT SERVICES DIVISION
P.O. Box 1450
Alexandria, VA 22313-1450

To the Director of the U.S. Patent and Trademark Office:

Please record the attached documents.

1.	Name of Conveying Party(ies): John Michael Crabtree Philip Fletcher	Execution Date(s): April 5, 2006 April 5, 2006
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2. Name and address of Receiving Party(ies):

ADVANCED GEL TECHNOLOGY LIMITED
Unit 41, Campus Road
Listerhills Science Park
Bradford BD7 1HR
Great Britain

01/18/2007 ATRAN1 00000112 10574359

02 FC:8021

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3. Nature of conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Other:

- ☐ Change of Name
☐ Merger

4. Application or patent number(s):

- ☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

10/574,359

5. Address to whom correspondence concerning document should be mailed:

CUSTOMER NUMBER 027885
Fay, Sharpe, Fagan, Minnich & McKee, LLP
1100 Superior Avenue, Seventh Floor
Cleveland, OH 44114-2579
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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☒ Payment for the filing of this Assignment is authorized to be charged to a Credit Card. The appropriate PTO form 2038 is enclosed. **If the Credit Card is unable to be charged, please charge any and all fees or credit any overpayment to Deposit Account No. 06-0308.** If there are any additional fees required by this communication, please charge same to Deposit Account No. 06-0308.

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
9. Total number of pages including cover sheet, attachments, and documents enclosed: 5.

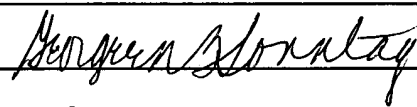
Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP

1/9/07
Date



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216-861-5582

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence (and any item referred to herein as being attached or enclosed) is (are) being	
<input checked="checked" type="checkbox"/>	deposited with the United States Postal Service as First Class Mail, addressed to: Mail Stop Assignment Services Division, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.
<input type="checkbox"/>	transmitted to the USPTO by fax (571-273-0140) in accordance with 37 CFR 1.18 on the date indicated below.
Express Mail Label No.:	Signature: 
Date: <u>January 9, 2007</u>	Name: Georgeen B. Sonntag

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, the undersigned, **John Michael Crabtree of 47 Haddington Road, Whitley Bay, Tyne & Wear, NE25 9XE, Great Britain and Philip Fletcher of 31 Worcester Avenue, Hardwick, Cambridgeshire, CB3 7XG, Great Britain** ("Inventor(s)") who has/have created a certain invention for which a U.S. Patent Application has been

- ☐ executed concurrently herewith
☐ executed on
☒ filed March 31, 2006, and assigned Application Serial No. 10/574,359
(I hereby authorize my attorney to insert this information when available).

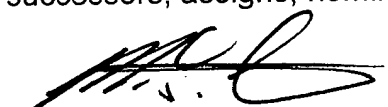
and is entitled

FRACTURING OF SUBTERRANEAN FORMATIONS

hereby sell, assign and transfer to **ADVANCED GEL TECHNOLOGY LIMITED**, ("Assignee"), having a place of business at **Unit 41, Campus Road, Listerhills Science Park, Bradford BD7 1HR, Great Britain**, its successors, assigns, nominees or other legal representatives, the full, exclusive, entire worldwide rights, title and interest in, to, and under said invention as described and claimed in said application, including any provisional application(s) from which it claims priority, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, nominees, or other legal representatives, to the end of the term or terms for which said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held and enjoyed by Inventor(s) if this assignment and sale had not been made; all of the entire rights, title and interest in and to said invention and said application, and all original and reissued patents granted for said invention, and all divisions, reissues, continuations-in-part, and continuations of said application, including the subject matter of any and all claims which may be obtained in every patent, and the right, where such right can be legally exercised, in Assignee's own name to apply for and obtain patents in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention and the Patent Cooperation Treaty as fully and entirely as Inventor(s) could have done if the foreign application had been filed in the names of the Inventor(s), and the entire interest in any Letters Patent which may be granted on any such application in such foreign countries, and Inventor(s) authorize(s) and request(s) the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty is to issue patents on applications as aforesaid, to issue the said Letters Patent to Assignee, its successors, assigns, nominees, or other legal representatives, as Assignee and owner of the said entire rights, and Inventor(s) covenant(s) that Inventor(s) has/have the full right to convey the said entire interest herein assigned and that Inventor(s) has/have not

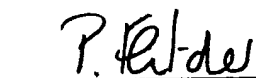
executed and will not execute any agreement in conflict herewith, and Inventor(s) will communicate to Assignee, its successors, assigns, nominees, or other legal representatives all facts known to Inventor(s) respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute and deliver all divisional, continuing, and reissue applications, make all rightful oaths or declarations, and do all lawful acts requisite for the application for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when Assignee, its successors, assigns, nominees, or other legal representatives desire to file a disclaimer relating thereto, Inventor(s) will, upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer; and

Inventor(s) further covenant(s) and agree(s) that Inventor(s) will, at any time upon request, do everything possible to aid Assignee, its successors, assigns, nominees, or other legal representatives, either in the name of Inventor(s) or Assignee, to apply for, obtain, and enforce proper patent protection for said invention in all countries, according to the International Convention and the Patent Cooperation Treaty, and all the laws and treaties in force, all without further consideration but at the expense of Assignee, its successors, assigns, nominees, or other legal representatives.



Michael John Crabtree

Date: 4/05/06



Philip Fletcher

Date: 4/05/06